

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--|------------------|---------|---------------------|
| L1    | 2636 | "455"/\$.ccls. and transmitter near10 (includ\$3 compris\$3) near10 modulat\$2                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/15<br>09:52 |
| L2    | 193  | "455"/\$.ccls. and (transmitter near10 (includ\$3 compris\$3) near10 modulat\$2) same telephone                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/15<br>09:56 |
| L3    | 69   | "455"/\$.ccls. and (transmitter near10 (includ\$3 compris\$3) near10 modulat\$2 near10 frequency) same telephone | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR               | OFF     | 2008/08/15<br>09:57 |
| S1    | 184  | (381/315,316).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO          | OR               | OFF     | 2004/11/09<br>09:31 |
| S2    | 236  | (381/323).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO          | OR               | OFF     | 2004/11/09<br>09:28 |
| S3    | 58   | (381/315,316,323).ccls. and antenna  | US-PGPUB;<br>USPAT;<br>EPO; JPO                    | OR               | OFF     | 2004/11/09<br>09:32 |

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|-----|-----|---|---|----|-----|---------------------|
| S4  | 3   | ("4425481"   "5434924"   "5757932").PN.   | USPAT   | OR | OFF | 2004/11/09<br>09:37 |
| S5  | 9   | ("4947179"   "4947432"   "5144599"   "5578999"   "5721783"  <br>"5798984"   "5824022"   "5907522"   "6411569").PN.  | USPAT   | OR | OFF | 2004/11/09<br>09:42 |
| S6  | 673 | marquis.in.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/08<br>14:59 |
| S7  | 5   | marquis.in. and wireless  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/12<br>11:01 |
| S8  | 15  | "phonak".AS. and wireless   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/05<br>13:42 |
| S9  | 43  | "phonak".AS. and transmit\$4  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/23<br>13:07 |
| S10 | 8   | ("4800636"   "5056204"   "5455994"   "5487012"   "6167138"  <br>"6386707"   "6402782"   "6560499"   "2001/0005420"   "2002/0028417"<br>  "2002/0092029"   "2002/0138237").PN. | USPAT   | OR | OFF | 2004/10/08<br>15:07 |
| S11 | 139 | "phonak".AS.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/11<br>14:23 |
| S12 | 36  | marquis.in. and transmitt\$3  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2007/11/20<br>09:35 |
| S13 | 112 | (381/79).OCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>14:23 |

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| S14 | 0    | (wireless adj2 hear\$2) same ear   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/08<br>15:37 |
| S15 | 5    | "5970390".URPN.  | USPAT                               | OR | OFF | 2004/10/08<br>15:23 |
| S16 | 18   | ("4493099"   "4712250"   "5036543"   "5293633"   "5319716"  <br>"5408686"   "5628056"   "5768345"   "5842119"   "5905947"   "5911118"<br>"5946604"   "5970390"   "5991622"   "6163711"   "6423892"  <br>"6556813"   "6608399").PN. | USPAT                               | OR | OFF | 2005/10/21<br>11:18 |
| S17 | 15   | gerber.in. and wireless  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/08<br>15:28 |
| S18 | 9705 | wireless adj2 transmit\$4  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>11:52 |
| S19 | 62   | (wireless adj2 transmi\$7) same antenna same decoder   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>12:52 |
| S20 | 0    | greninger.in. and wireless   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/08<br>15:44 |
| S21 | 56   | greninger.in.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/08<br>15:51 |
| S22 | 4    | ((("20020090098") or ("20040069560") or ("20030094355") or<br>("20030091197"))).PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2004/10/08<br>15:53 |
| S23 | 10   | ((("20040175010") or ("20040175005") or ("20040175008") or<br>("20040097785") or ("20040159535") or ("20030133583") or<br>("20030231773") or ("20040066946") or ("20040047480") or<br>("20040027296"))).PN.                        | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2004/10/08<br>15:58 |

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| S24 | 5306 | wireless adj2 transmitter                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>11:52 |
| S25 | 18   | (wireless adj2 transmitter) same antenna same decoder  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:47 |
| S26 | 63   | (wireless adj2 transmi\$8) same antenna same decoder   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>12:39 |
| S27 | 7    | (381/79).ccls. and decoder                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:32 |
| S28 | 2015 | (transmi\$7) same antenna same decoder same frequency  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>12:53 |
| S29 | 936  | (transmitter) same antenna same decoder same frequency | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>12:53 |
| S30 | 10   | "5734976".URPN.  | USPAT                               | OR | OFF | 2004/10/23<br>13:05 |
| S31 | 46   | "phonak".AS. and transmi\$6                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>13:09 |
| S32 | 50   | "phonak".AS. and control                               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>19:00 |
| S33 | 10   | "phonak".AS. and antenna                               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/10/23<br>13:12 |

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| S34 | 4026 | ("455"/\$).ccls. and transmi\$7 same decoder                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/23<br>13:12 |
| S35 | 1466 | ("455"/\$).ccls. and transmi\$7 same decoder same frequency | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/07<br>16:29 |
| S37 | 888  | wireless adj3 microphone                                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/23<br>13:13 |
| S38 | 10   | (wireless adj2 microphone) same decoder                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/12/10<br>15:12 |
| S40 | 546  | (381/92,122).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2004/10/23<br>13:16 |
| S41 | 50   | (381/92,122).ccls. and wireless                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/21<br>14:24 |
| S42 | 5    | (381/92,122).ccls. and wireless and decoder                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/11/08<br>18:16 |
| S43 | 74   | (wireless adj2 microphone) and decoder                      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/23<br>13:19 |
| S44 | 3    | ("4053717"   "5138651"   "5664015").PN.                     | USPAT   | OR | OFF | 2004/10/23<br>13:20 |

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| S45 | 739 | wireless adj2 microphone  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/23<br>13:23 |
| S46 | 154 | (wireless adj2 microphone) same frequency   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/11/23<br>19:37 |
| S47 | 135 | (381/FOR.147).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2004/10/23<br>13:26 |
| S48 | 24  | (wireless adj2 microphone) same decod\$4  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/10/23<br>13:28 |
| S49 | 25  | (455/569.1,570).ccls. and wireless adj3 microphone  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/06<br>10:48 |
| S50 | 12  | ("4829565"   "5036532"   "5170499"   "5367556"   "5448620"  <br>"5450494"   "5615256"   "5642402"   "5646589"   "5790671"   "5844983"<br>"5844992").PN. | USPAT   | OR | OFF | 2004/10/26<br>13:17 |
| S51 | 3   | (381/92,122).ccls. and antenna and decoder  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/11/08<br>18:16 |
| S52 | 10  | (wireless adj2 microphone) same decoder   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2004/11/08<br>18:24 |
| S53 | 19  | (wireless adj2 transmitter) same decoder same antenna   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/14<br>17:27 |

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| S54 | 4   | (wireless near3 microphone) same decoder same antenna                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/08<br>18:26 |
| S55 | 139 | wireless same decoder same antenna same control                        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/08<br>18:27 |
| S56 | 54  | (wireless adj2 transmitter) same (frequency adj2 band)                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/08<br>18:35 |
| S57 | 737 | (wireless) same (signal adj2 generator)                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/08<br>18:35 |
| S58 | 59  | (wireless) same (signal adj2 generator) same frequency same modulation | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/08<br>18:37 |
| S59 | 87  | (wireless) same (control adj2 signal) same (signal adj2 generator)     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/08<br>18:38 |
| S60 | 0   | (wireless adj2 microphone) and deocder and transmitter                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>19:57 |
| S61 | 56  | (wireless adj2 microphone) and decoder and transmitter                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>19:46 |
| S62 | 550 | (381/92,122).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>19:54 |

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| S63 | 4   | (wireless adj2 microphone) same (frequency adj2 selection)               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>19:49 |
| S64 | 4   | (wireless adj2 microphone) and encod\$3 same (frequency adj2 selection)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:13 |
| S65 | 2   | ("5051799"   "6560469").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2004/11/23<br>19:50 |
| S66 | 106 | (455/125).OCLS.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/15<br>15:19 |
| S67 | 3   | (wireless) and (audio adj signal) near3 program\$4 near2 frequency       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>19:58 |
| S68 | 2   | (audio adj signal) near3 program\$4 near2 frequency adj2 band            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:26 |
| S69 | 13  | (wireless adj2 transmis\$4) and encod\$3 same (frequency adj2 selection) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:14 |
| S70 | 7   | (wireless adj2 transmis\$4) same (frequency adj2 selection)              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:15 |
| S71 | 170 | wireless same (frequency adj2 selection)                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:22 |



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| S72 | 0   | (frequency adj2 selection) near2 based near2 (audio adj2 signal)          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:23 |
| S73 | 4   | (frequency adj2 selection) near2 (audio adj2 signal)                      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:25 |
| S74 | 28  | (audio adj signal) near3 program\$4 near2 frequency                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:34 |
| S75 | 364 | control adj2 (input or signal) same (frequency adj2 selection)            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:42 |
| S76 | 65  | control adj2 (input or signal) near3 (frequency adj2 selection)           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:35 |
| S77 | 20  | control adj2 (input or signal) same (frequency adj2 selection) same audio | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/11/23<br>20:42 |
| S78 | 2   | marquis.in. and wireless and antenna and decoder                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/12/10<br>15:17 |
| S79 | 404 | ("455"/\$).cls. and transmi\$7 same decoder same frequency and microphone | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/12/10<br>15:19 |
| S80 | 296 | wireless same (hearing adj2 aid)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/12/10<br>15:30 |

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| S81 | 42  | wireless same (hearing adj2 aid) same antenna   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2004/12/10<br>15:30 |
| S82 | 100 | (455/93).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>13:42 |
| S83 | 304 | (455/112,113).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>13:54 |
| S84 | 587 | (455/112,113,118).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>10:19 |
| S85 | 2   | (455/112,113,118).ccls. and (frequency adj2 selection) same (decoder or decoding)             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:40 |
| S86 | 9   | ("455"/\$).ccls. and (transmitter) same (frequency adj2 selection) same (decoder or decoding) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>13:58 |
| S87 | 19  | (transmitter) same (frequency adj2 selection) same (decoder or decoding)                      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>13:59 |
| S88 | 0   | (frequency adj2 selection) same (decoder or decoding) same country                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>14:00 |
| S89 | 0   | (frequency adj2 selection) same (decoder or decoding) same countries                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>14:00 |

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| S90 | 9  | (frequency adj2 selection) same (decoder or decoding) and countries | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>14:01 |
| S91 | 0  | (frequency adj2 selection) same countries same transmitter          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>14:02 |
| S92 | 9  | (frequency adj2 select\$3) same countries same transmitter          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/05<br>14:02 |
| S93 | 0  | ("(frequencyadj2locking)samewirelessamecountries").PN.              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>10:19 |
| S94 | 0  | (frequency adj2 locking) same wireless same countries               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>10:19 |
| S95 | 20 | (frequency adj2 locking) same wireless                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>10:50 |
| S96 | 0  | (frequency adj2 locking) same decoder same antenna                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>10:24 |
| S97 | 12 | ("4918736").URPN.   | USPAT                               | OR | OFF | 2005/01/06<br>10:26 |
| S98 | 1  | (frequency adj2 bands) same (ERP) same wireless                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>10:51 |
| S99 | 14 | (frequency adj2 bands) same (ERP)                                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:09 |

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| S100 | 1   | (455/112,113,118).ccls. and (decoder) and (automatic adj2 tuning) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:24 |
| S101 | 2   | (455/112,113,118).ccls. and (automatic adj2 tuning)               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:24 |
| S102 | 36  | (wireless adj2 transmitter) same (automatic adj2 tuning)          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/14<br>17:17 |
| S103 | 41  | (automatic adj2 frequency adj2 lock\$3)                           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:35 |
| S104 | 31  | decoder with (signal adj2 generator) with antenna                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:35 |
| S105 | 31  | (455/112,113,118).ccls. and (decoder)                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>16:28 |
| S106 | 120 | (wireless adj2 transmitter) same decoder                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:55 |
| S107 | 33  | (wireless adj2 transmitter) same decoder same frequency           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/06<br>11:57 |
| S108 | 12  | (wireless adj2 transmitter) same (frequency adj2 select\$3)       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/15<br>14:24 |

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| S109 | 0    | ("(controladj2signal)with(frequencyadj2band)with(carrieradj2frequency)").PN.        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2005/01/06<br>12:10 |
| S110 | 52   | (control adj2 signal) with (frequency adj2 band) with (carrier adj2 frequency)      | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/06<br>14:51 |
| S111 | 22   | (signal adj2 generat\$3) with (control adj2 signal) with (frequency adj2 selection) | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/06<br>12:20 |
| S112 | 1    | ("6671498").PN.   | USPAT                                     | OR | OFF | 2005/01/06<br>14:07 |
| S113 | 1    | ("6671498").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/06<br>14:07 |
| S114 | 2    | ("5051799"   "6560469").PN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2005/01/06<br>14:07 |
| S115 | 246  | (455/464).CCLS.   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/06<br>14:56 |
| S116 | 59   | (455/463,464).ccls. and (carrier adj2 frequency)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/06<br>14:56 |
| S117 | 1757 | ("455"/\$).ccls. and transmitter same decoder                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/01/07<br>16:30 |

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| S118 | 47  | ("455"/\$).cds. and transmitter same decoder same (signal adj2 generator)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>16:30 |
| S119 | 6   | ("5970390").URPN.   | USPAT                           | OR | OFF | 2005/01/07<br>16:43 |
| S120 | 18  | ("4493099"   "4712250"   "5036543"   "5293633"   "5319716"   "5408686"   "5628056"   "5768345"   "5842119"   "5905947"   "5911118"   "5946604"   "5970390"   "5991622"   "6163711"   "6423892"   "6556813"   "6608399").PN. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/01/07<br>17:04 |
| S121 | 0   | (selection adj2 frequency adj2 band adj2 control\$3 adj2 audio adj2 signal)   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/01/07<br>17:05 |
| S122 | 1   | (reprogram\$3 adj3 transmitter) same (local\$2 adj2 frequency adj2 band)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:12 |
| S123 | 1   | (reprogram\$3 adj3 transmitter) same (local\$2 adj2 frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:13 |
| S124 | 8   | (reprogram\$3 adj3 transmitter) same (frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:12 |
| S125 | 1   | (reprogram\$3 adj2 wireless adj2 transmitter)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:13 |
| S126 | 0   | (transmitter) same (program\$4 adj2 local\$2 adj2 frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:14 |
| S127 | 267 | (transmitter) same (program\$4 adj2 frequency)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:14 |

|      |     |   |                                     |    |     |                     |
|------|-----|---|-------------------------------------|----|-----|---------------------|
| S128 | 40  | (wireless near2 transmitter) same (program\$4 adj2 frequency)             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:18 |
| S129 | 105 | (wireless near2 hearing)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:19 |
| S130 | 68  | (wireless adj2 hearing)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:59 |
| S131 | 1   | (audio adj2 signal adj2 carrier) near2 compris\$3 adj2 encoded adj2 audio | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>17:59 |
| S132 | 1   | (audio adj2 carrier) same (encoded adj2 audio adj2 files)                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>18:00 |
| S133 | 47  | (encoded adj2 audio adj2 files)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>18:01 |
| S134 | 1   | carrier adj2 compris\$3 with (encoded adj2 audio adj2 files)              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>18:01 |
| S135 | 1   | (carrier adj2 compris\$3) with (encoded adj2 audio adj2 files)            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>18:01 |
| S136 | 2   | carrier same (encoded adj2 audio adj2 files)                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/01/07<br>18:01 |
| S137 | 14  | ("4918736").URPN.   | USPAT                               | OR | OFF | 2005/10/14<br>16:44 |

|      |     |   |                                     |    |     |                     |
|------|-----|---|-------------------------------------|----|-----|---------------------|
| S138 | 0   | (wireless adj2 transmitter) same (automatic adj2 tuning) same decod\$3                        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/14<br>17:18 |
| S139 | 17  | (wireless adj2 transmitter) same (control) same frequency same decod\$3                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/14<br>17:18 |
| S140 | 4   | ("5001757"   "5119503"   "5299264"   "5581617").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/14<br>17:20 |
| S141 | 0   | ("6337913").URPN.   | USPAT                               | OR | OFF | 2005/10/14<br>17:20 |
| S142 | 3   | (wireless adj2 transmitter) same ((set\$4 or select\$3) with frequency adj2 band)             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/14<br>17:28 |
| S144 | 52  | (wireless adj2 transmitter) and ((set\$4 or select\$3) with frequency adj2 band) and decod\$3 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/14<br>17:28 |
| S145 | 104 | (wireless adj2 transmitter) and ((set\$4 or select\$3) with frequency adj2 band)              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/15<br>14:18 |
| S146 | 66  | (wireless adj2 transmitter) same (frequency adj2 (select\$3 or set\$4))                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/15<br>14:25 |
| S147 | 4   | (wireless adj2 transmitter) same (frequency adj2 (select\$3 or set\$4)) same modulat\$3       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/15<br>14:25 |
| S148 | 124 | (wireless adj2 transmitter) and (frequency adj2 (select\$3 or set\$4)) same modulat\$3        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/15<br>14:43 |



|      |     |  |   |    |     |                     |
|------|-----|--|---|----|-----|---------------------|
| S149 | 1   | (wireless adj2 transmitter) and (frequency with band with reallocat\$3)                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:43 |
| S150 | 3   | (wireless adj2 transmi\$6) and (frequency with band with reallocat\$3)                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:44 |
| S151 | 319 | (wireless adj2 transmi\$6) and (frequency with band with (reallocat\$3 or allot\$4 or assign\$4))  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:45 |
| S152 | 59  | (wireless adj2 transmi\$6) same (frequency with band with (reallocat\$3 or allot\$4 or assign\$4)) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:46 |
| S153 | 354 | (wireless) same (frequency with band with (reallocat\$3 or allot\$4 or assign\$4))                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:46 |
| S154 | 44  | (wireless) same (frequency with band with (reallocat\$3 or allot\$4 or assign\$4)) same modulat\$3 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:52 |
| S155 | 125 | (wireless) same (carrier adj2 frequency) same modulat\$3 same (signal adj2 generat\$3)             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>14:52 |
| S156 | 542 | (455/569.1,570).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/12<br>16:27 |
| S157 | 1   | ("5970390").PN.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2005/10/15<br>15:19 |

|      |     |  |                                     |    |     |                     |
|------|-----|--|-------------------------------------|----|-----|---------------------|
| S158 | 8   | ("5970390").URPN.  | USPAT                               | OR | OFF | 2005/10/15<br>15:19 |
| S159 | 10  | ("4712250"   "4864550"   "5093924"   "5093928"   "5319716"  <br>"5628056"   "5768345"   "5774805"   "5826198"   "5842119").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/15<br>15:21 |
| S160 | 20  | ("5319716").URPN.  | USPAT                               | OR | OFF | 2005/10/15<br>15:24 |
| S161 | 1   | ("5319716").PN.  | USPAT                               | OR | OFF | 2006/08/04<br>15:16 |
| S162 | 20  | ("5319716").URPN.  | USPAT                               | OR | OFF | 2005/10/21<br>11:19 |
| S163 | 5   | S162 and microphone  | USPAT                               | OR | OFF | 2005/10/21<br>11:24 |
| S164 | 0   | S162 and (dual-tone)   | USPAT                               | OR | OFF | 2005/10/21<br>11:24 |
| S165 | 0   | (wireless adj2 transmitter) same (dual-tone)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:29 |
| S166 | 0   | (wireless adj2 transmitter) same (dual adj 2tone)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:29 |
| S167 | 454 | wireless same (dual near2 tone near2 frequency)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:37 |
| S168 | 454 | wireless same (dual adj2 tone adj3 frequency)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:02 |
| S169 | 25  | wireless same (dual adj2 tone adj3 frequency) same encod\$3  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:34 |

|      |      |  |                                     |    |     |                     |
|------|------|--|-------------------------------------|----|-----|---------------------|
| S170 | 0    | wireless same ("100" with "20" with HZ) same audio   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:35 |
| S171 | 4    | wireless same ("100" with "20" with HZ)              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:47 |
| S172 | 206  | wireless and ("100" with "20" with HZ)               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:36 |
| S173 | 17   | wireless and ("100" with "20" with HZ) same audio    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:36 |
| S174 | 1121 | wireless same (DTMF)                                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:38 |
| S175 | 0    | wireless same (DTMF) same ("100" with "20" with HZ)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:38 |
| S176 | 97   | wireless same (DTMF) same modulat\$3                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>11:44 |
| S177 | 9    | wireless same (DTMF with encod\$3 with audio)        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>12:57 |
| S178 | 1    | (encod\$3) with audio with ("100" with "20" with HZ) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:43 |

|      |     |  |                                     |    |     |                     |
|------|-----|--|-------------------------------------|----|-----|---------------------|
| S179 | 147 | (DTMF with encod\$3 with audio)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:35 |
| S180 | 52  | (DTMF with encod\$3 with audio) and wireless   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>12:51 |
| S181 | 5   | (DTMF with encod\$3 with audio) and wireless and vehicle   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>12:51 |
| S182 | 2   | (wireless adj2 adapt\$2) same (DTMF)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>13:25 |
| S183 | 2   | (wireless adj2 adapt\$2) and (DTMF) same FM  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>13:58 |
| S184 | 11  | (wireless adj2 adapt\$2) same (microphone with input)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>13:59 |
| S185 | 42  | (wireless adj2 adapt\$2) same (microphone)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:00 |
| S186 | 353 | (wireless adj2 transmitter) same (microphone)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:08 |
| S187 | 17  | ("3868743"   "4262383"   "4789904"   "5027200"   "5111289"  <br>"5264962"   "5289321"   "5467264"   "5550677"   "5574443"   "5596228"<br>"5642238"   "5670935"   "5677667"   "5729016"   "5760828"  <br>"5793300").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2005/10/21<br>14:03 |
| S188 | 9   | ("6259475").URPN.  | USPAT                               | OR | OFF | 2005/10/21<br>14:04 |

|      |     |   |                                     |    |     |                     |
|------|-----|---|-------------------------------------|----|-----|---------------------|
| S189 | 12  | (wireless adj2 transmitter) same (microphone) same vehicle                              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:08 |
| S190 | 68  | (381/92,122).ccls. and wireless and microphone  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:24 |
| S191 | 15  | (DTMF with encod\$3 with audio) and vehicle   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:36 |
| S192 | 37  | audio with ("100" with Hz with "20" with KHZ)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:07 |
| S193 | 636 | (frequency with band with more with carrier with frequency)                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:48 |
| S194 | 737 | (frequency with band with plurality with carrier with frequency)                        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:48 |
| S195 | 249 | (frequency with band with plurality with carrier with frequency) and wireless           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:48 |
| S196 | 99  | (frequency with band with plurality with carrier with frequency) and wireless and audio | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:50 |
| S197 | 107 | (frequency with band with multi-carrier with frequency) and wireless                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:50 |

|      |     |   |                                     |    |     |                     |
|------|-----|---|-------------------------------------|----|-----|---------------------|
| S198 | 10  | (multi-carrier adj3 frequency adj2 band) and wireless | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:51 |
| S199 | 13  | (multi-carrier adj2 frequency adj2 band)              | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/21<br>14:51 |
| S200 | 648 | ("100" with Hz with "20" with kHz)                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:07 |
| S201 | 71  | ("100" with Hz with "20" with kHz) and wireless       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:10 |
| S202 | 59  | ("100" with Hz with "20" with kHz) same audio         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:32 |
| S203 | 21  | receiv\$3 with ("100" with Hz with "20" with kHz)     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:14 |
| S204 | 3   | encod\$3 with ("100" with Hz with "20" with kHz)      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:16 |
| S205 | 2   | CD with ("100" with Hz with "20" with kHz)            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:16 |
| S206 | 1   | DTMF same ("100" with Hz with "20" with kHz)          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:29 |

|      |      |   |                                     |    |     |                     |
|------|------|---|-------------------------------------|----|-----|---------------------|
| S207 | 2    | DTMF and ("100" with Hz with "20" with kHz)                 | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:17 |
| S208 | 103  | high with ("100" with Hz with "20" with kHz)                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:29 |
| S209 | 82   | high with frequency with ("100" with Hz with "20" with kHz) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:31 |
| S210 | 42   | transmi\$8 with ("100" with Hz with "20" with kHz)          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:34 |
| S211 | 65   | control\$4 with ("100" with Hz with "20" with kHz)          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>12:34 |
| S212 | 1121 | wireless same (DTMF)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:07 |
| S213 | 185  | wireless same (DTMF) same audio                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:03 |
| S214 | 6    | wireless same (DTMF) same audio same vehicle                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:03 |
| S215 | 51   | (wireless adj2 (adapter or transmitter)) same (DTMF)        | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:07 |

|      |       |   |                                     |    |     |                     |
|------|-------|---|-------------------------------------|----|-----|---------------------|
| S216 | 22    | ("100" with Hz with "20" with kHz) and audio and wireless               | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:45 |
| S217 | 25232 | (signal with control\$4 with power with level)                          | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:45 |
| S218 | 27    | (signal with control\$4 with power with level) same wireless same audio | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:46 |
| S219 | 16    | (signal adj3 control\$4 adj2 power adj3 level) same wireless            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/10/22<br>13:46 |
| S220 | 10    | marquis.in. and wireless  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:01 |
| S221 | 5     | S220 and (phone telephone telephony)                                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:01 |
| S222 | 12    | marquis.in. and (phone telephone telephony)                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:04 |
| S223 | 73    | "455"/\$.ccls. and (wireless near2 transmitter) and DTMF and audio      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:12 |
| S224 | 2     | "455"/\$.ccls. and (wireless near2 transmitter) same DTMF same audio    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:50 |



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|------|------|---|---|----|-----|---------------------|
| S225 | 69   | "455"/\$.ccls. and (wireless near2 transmitter) and DTMF and audio and (frequency)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/11<br>14:20 |
| S226 | 12   | "455"/\$.ccls. and (wireless near2 microphone) and DTMF and audio and (frequency)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/11<br>14:21 |
| S227 | 0    | "phonak".AS. and (DTMF) and frequency and wireless  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/11<br>14:23 |
| S228 | 0    | "phonak".AS. and (DTMF) and frequency   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/11<br>14:23 |
| S229 | 13   | "phonak".AS. and (phone telephone telephony) and frequency and wireless   | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/11<br>14:24 |
| S230 | 9    | ("3979679"   "4207590"   "4332032"   "4761829"   "4873527"   "5020147"   "5402494"   "5498885"   "5519762").PN. | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2006/07/11<br>14:30 |
| S231 | 1054 | (381/312).OCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:30 |
| S232 | 218  | (381/320).OCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:30 |
| S233 | 4    | ("4548082"   "5189704"   "5321758"   "5861779").PN.   | US-PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2006/07/11<br>14:33 |

|      |     |   |                                     |    |     |                     |
|------|-----|---|-------------------------------------|----|-----|---------------------|
| S234 | 105 | (wireless near2 transmitter) same (frequency near3 select\$4)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:50 |
| S235 | 2   | (wireless near2 transmitter) same (frequency near3 select\$4) and DTMF  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:51 |
| S236 | 2   | ((wireless near2 transmitter) same (frequency near3 select\$4)) and DTMF  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:51 |
| S237 | 46  | ((wireless near2 transmitter) same (frequency near3 select\$4)) and audio   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:58 |
| S238 | 0   | ((wireless near2 transmitter) same (frequency near3 select\$4)) and (hearing near3 aid)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>14:59 |
| S239 | 14  | ((wireless near2 transmitter) and (frequency near3 select\$4)) and (hearing near3 aid)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>15:01 |
| S240 | 40  | ((wireless with transmitter) and (frequency near3 select\$4)) and (hearing near3 aid)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>18:53 |
| S241 | 10  | ((("4193120") or ("4774515") or ("4847763") or ("6115478") or ("6226533") or ("6366791") or ("6423892") or ("6466801") or ("4049930") or ("6320969")).PN. | USPAT                               | OR | OFF | 2006/07/11<br>18:33 |
| S242 | 2   | dress.in. and (hearing near2 aid) and frequency   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>19:06 |

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| S243 | 23  | "phonak".AS. and (control near2 signal)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>19:04 |
| S244 | 20  | "phonak".AS. and (frequency near3 select\$3)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>19:04 |
| S245 | 150 | (hearing near2 aid) and (frequency near3 select\$3) and wireless   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>19:07 |
| S246 | 67  | ((hearing near2 aid) same wireless) and (frequency near3 select\$3)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/11<br>19:07 |
| S247 | 5   | marquis.in. and wireless and power and frequency and control   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:09 |
| S248 | 192 | ((((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency)) and wireless                            | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:22 |
| S249 | 161 | ((((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency)) and wireless and antenna                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:13 |
| S250 | 18  | ((((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency with select\$3)) and wireless and antenna | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:14 |
| S251 | 7   | control\$4 same (((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency with select\$3))           | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:15 |

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| S252 | 8    | (control\$4 near2 signal) same (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3))  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:19 |
| S253 | 206  | (control\$4 near2 signal) and (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:19 |
| S254 | 180  | (control\$4 near2 signal) and (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3)) and antenna                               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:26 |
| S255 | 138  | ((control\$4 near2 signal) same (decod\$3 demodulat\$3 process\$3)) and (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:35 |
| S256 | 12   | (transmitter) same (((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency with select\$3))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:37 |
| S257 | 33   | ((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency with select\$3))   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:45 |
| S258 | 1961 | (control\$4 near2 signal) same ((power) ERP) same (frequency with select\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:42 |
| S259 | 13   | ((control\$4 near2 signal) same ((power) ERP) same (frequency with select\$3)) and wireless and country   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:42 |
| S260 | 1    | ((effective\$2 near3 radiat\$3 near2 power) ERP) same (frequency with select\$3)) and DTMF  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>11:45 |

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| S261 | 29   | (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3)) and DTMF                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:12 |
| S262 | 80   | microphone and (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3))             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:12 |
| S263 | 8    | microphone and (((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency with select\$3)) and hearing | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:14 |
| S264 | 23   | microphone and ((effective\$2 near3 radiat\$3 near2 power) ERP) and (frequency) and hearing                  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:15 |
| S265 | 22   | microphone and (ERP) and (frequency) and hearing   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:15 |
| S266 | 4261 | microphone and (power) and (frequency) and hearing   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:15 |
| S267 | 888  | microphone and (power) and (frequency near3 select\$4) and hearing   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:55 |
| S268 | 12   | comtek.AS.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:58 |
| S269 | 611  | wireless with microphone with transmitter  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>14:58 |

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| S270 | 336 | (wireless with microphone with transmitter) and frequency and power                         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/05<br>17:31 |
| S271 | 115 | (wireless with microphone with transmitter) and frequency and power and (hearing listening) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:08 |
| S272 | 33  | (assist\$3 near2 listening near3 (system device apparatus)) and frequency and power         | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:13 |
| S273 | 35  | (assist\$3 near2 listening) and frequency and power and antenna                             | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:14 |
| S274 | 0   | JP-404238427-\$.did.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:23 |
| S275 | 1   | JP-04238427-\$.did.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:52 |
| S276 | 0   | phonak.ap.  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:54 |
| S277 | 0   | phonak.app.   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:54 |
| S278 | 312 | phonak  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/07/12<br>15:54 |

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| S279 | 54   | phonak and wireless   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/12<br>15:54 |
| S280 | 213  | (455/112,113,118,569.1,114.1,123,125,127.1).ccls. and (effect\$4 neare<br>radiat\$4 near2 power) and frequency and microphone and power | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/07/12<br>16:30 |
| S281 | 1691 | (455/69).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:36 |
| S282 | 2335 | (455/522).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>11:39 |
| S283 | 3095 | (455/69,522).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:41 |
| S284 | 736  | S283 and (microphone internet (audio near2 player))   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>11:45 |
| S285 | 726  | S283 and (microphone internet (audio near2 player)) and (power<br>frequency)  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>11:46 |
| S286 | 281  | S283 and ((decod\$3 demodulat\$3 process\$3) same (microphone internet<br>(audio near2 player))) and (power frequency)                  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/04<br>19:35 |

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| S287 | 2   | ("6285886"   "6377813").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR              | OR | OFF | 2006/07/13<br>12:18 |
| S288 | 367 | S283 and (microphone internet (audio near2 player)) and ((power frequency) with select\$3)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:21 |
| S289 | 25  | S283 and (antenna same transmitter same (decod\$3 demodulat\$3)) same ((power frequency) with select\$3)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:23 |
| S290 | 1   | S283 and (transmitter with (decod\$3 demodulat\$3) with (signal near2 generat\$3)) same ((power frequency) with select\$3)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:25 |
| S291 | 6   | S283 and transmitter same (decod\$3 demodulat\$3) same (signal near2 generat\$3) same ((power frequency) with select\$3)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:25 |
| S292 | 6   | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and transmitter same (decod\$3 demodulat\$3) same (signal near2 generat\$3) same ((power frequency) with select\$3) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:26 |
| S293 | 35  | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (decod\$3 demodulat\$3) same (signal near2 generat\$3) same ((power frequency) with select\$3)                  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>15:06 |
| S294 | 62  | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (signal near2 generat\$3) same (control near2 signal) same ((power frequency) with select\$3)                   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:34 |



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| S295 | 118 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (power near2 select\$3) and (frequency near2 select\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>12:35 |
| S296 | 389 | (455/3.06).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>13:23 |
| S297 | 273 | S296 and (microphone (audio near2 player) internet)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>13:43 |
| S298 | 79  | (381/14).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>13:43 |
| S299 | 0   | ("wireless same (hearing adj2 (aid device apparatus))").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>14:23 |
| S300 | 508 | wireless same (hearing adj2 (aid device apparatus))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>14:24 |
| S301 | 0   | wireless same (hearing adj2 (aid device apparatus)) and (control with transmitter)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>14:24 |

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| S302 | 67   | wireless same (hearing adj2 (aid device apparatus)) and (control with transmitter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>14:25 |
| S303 | 86   | wireless same (hearing adj2 (aid device apparatus)) and (control\$4 with transmitter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>14:25 |
| S304 | 22   | wireless same (hearing adj2 (aid device apparatus)) and (control\$4 with transmitter) and ((power frequency) near4 select\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/13<br>15:06 |
| S305 | 41   | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (transmitter) same (signal near2 generator) same (control near2 signal)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>13:39 |
| S306 | 1109 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and control\$4 with (ERP power (effectivte near2 radiat\$3 near2 power)) with frequency   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:54 |
| S307 | 795  | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP power (effectivte near2 radiat\$3 near2 power)) with frequency) and transmitter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>13:43 |
| S308 | 670  | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP power (effectivte near2 radiat\$3 near2 power)) with frequency) and transmitter and (microphone ((audio CD MP3) near2 player) (internet ner2 connect\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>13:46 |

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| S309 | 103 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP power (effective near2 radiat\$3 near2 power)) with frequency) same transmitter same (microphone ((audio CD MP3) near2 player) (internet ner2 connect\$3))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>13:48 |
| S311 | 264 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP power (effective near2 radiat\$3 near2 power)) with frequency) same (microphone ((audio CD MP3) near2 player) (internet ner2 connect \$3))                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>13:48 |
| S312 | 36  | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP power (effective near2 radiat\$3 near2 power)) with frequency) same (microphone ((audio CD MP3) near2 player) (internet near2 connect \$3))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>13:54 |
| S313 | 37  | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)) with frequency) and (microphone ((audio CD MP3) near2 player) (internet near2 connect\$3)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>14:53 |
| S314 | 278 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)) with frequency)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>14:54 |
| S315 | 147 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) same (microphone ((audio CD MP3) near2 player) (internet near2 connection))    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:20 |
| S316 | 53  | "455"/\$.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) same (microphone ((audio CD MP3) near2 player) (internet near2 connection)) and (wireless near2 transmitter)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:34 |

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| S317 | 239 | "455"/\$.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) and (microphone ((audio CD MP3) near2 player) (internet near2 connection)) and (wireless near2 transmitter)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:44 |
| S318 | 43  | "455"/\$.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) and ((microphone ((audio CD MP3) near2 player) (internet near2 connection)) same (decod\$3 demodulat\$3)) and (wireless near2 transmitter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:47 |
| S319 | 122 | (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) and ((microphone ((audio CD MP3) near2 player) (internet near2 connection)) same (decod\$3 demodulat\$3)) and (wireless near2 transmitter)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>16:07 |
| S320 | 166 | "455"/\$.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) and ((microphone ((audio CD MP3) near2 player) (internet near2 connection)) and (decod\$3 demodulat\$3)) and (wireless near2 transmitter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:53 |
| S321 | 724 | "455"/\$.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) and (wireless near2 transmitter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:53 |
| S322 | 121 | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency))) and (wireless near2 transmitter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>15:55 |
| S323 | 176 | "455"/\$.ccls. and (control\$4 with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency near2 select\$3))) and (wireless near2 transmitter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>16:06 |

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| S324 | 177  | "455"/\$.ccls. and ((control\$4 choos\$3) with (ERP (transmission near2 power) (effective near2 radiat\$3 near2 power)(frequency near2 select \$3))) and (wireless near2 transmitter) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/07/26<br>16:06 |
| S325 | 390  | (455/68).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:14 |
| S326 | 2363 | (455/522).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:15 |
| S327 | 96   | (455/63.3).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:15 |
| S328 | 279  | (455/71).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:15 |
| S329 | 6    | S325 and (frequency near2 selection)  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:16 |
| S330 | 176  | S325 and (control near2 signal)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:17 |

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| S331 | 104 | S325 and (control near2 signal) same (frequency power)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:33 |
| S332 | 17  | S325 and (control near2 signal) same (transmission near2 power)                                | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/01<br>17:33 |
| S333 | 35  | (encoded near3 audio near2 signal) with control\$4 with (frequency (transmission near2 power)) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:00 |
| S334 | 3   | (encoded near3 audio near2 signal) near3 (frequency near2 select\$3)                           | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:18 |
| S335 | 1   | ((encoded near3 audio near2 signal) near3 control\$4 near3 decoder) same (wireless antenna)    | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:05 |
| S336 | 2   | ((encoded near3 audio near2 signal) near3 control\$4 near3 decoder) and (wireless antenna)     | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:07 |
| S337 | 99  | ((audio near2 signal) near3 (frequency near2 select\$3)) and (wireless antenna)                | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:15 |

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| S338 | 10  | ((audio near2 signal) near4 control\$4 near3 (frequency near2 select\$3)) and (wireless antenna) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:15 |
| S339 | 16  | (encoded near3 audio near2 signal) with (frequency near2 select\$3)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:19 |
| S340 | 0   | (encoded near3 audio near2 signal) with (transmission near2 power)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:20 |
| S341 | 25  | (audio near2 signal) with control\$4 with (transmission near2 power)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/03<br>19:20 |
| S342 | 2   | (wireless near3 adapt\$2) same (frequency near3 selection)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/04<br>15:21 |
| S343 | 325 | (wireless near3 (adapt\$2 transmitter)) and (frequency near3 selection)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/04<br>09:26 |
| S344 | 1   | (wireless near3 (adapt\$2 transmitter)) and ((frequency near3 selection) with country)           | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/04<br>09:26 |
| S345 | 1   | wireless and ((frequency near3 selection) with country)  | US-PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/04<br>09:27 |

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| S346 | 5    | ((frequency near3 selection) with country)                      | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>09:29 |
| S347 | 23   | ((frequency with selection) with country)                       | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>09:31 |
| S348 | 47   | (ERP (transmission near2 power)) with country                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>09:32 |
| S349 | 1717 | (ERP (transmission near2 power)) near3 select\$3                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>09:33 |
| S350 | 429  | (ERP (transmission near2 power)) near3 select\$3 and (wireless) | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:15 |
| S351 | 0    | ("6094563").URPN.   | USPAT                               | OR | OFF | 2006/08/04<br>09:54 |
| S352 | 0    | ("6094563").URPN.   | USPAT                               | OR | OFF | 2006/08/04<br>09:54 |
| S353 | 0    | ("6094563").URPN.   | USPAT                               | OR | OFF | 2006/08/04<br>09:54 |
| S354 | 5    | ("4958359"   "5003619"   "5168516"   "5487185"   "5524287").PN. | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/08/04<br>09:54 |
| S355 | 0    | ("6094563").URPN.   | USPAT                               | OR | OFF | 2006/08/04<br>09:56 |
| S356 | 2    | ("6285886"   "6377813").PN.                                     | US-<br>PGPUB;<br>USPAT;<br>USOCR    | OR | OFF | 2006/08/04<br>10:08 |



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| S357 | 2   | (ERP (transmission near2 power)) near3 select\$3 and (wireless) and (microphone ((CD audio MP3) near2 player)) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:21 |
| S358 | 2   | (ERP (transmission near2 power)) near3 select\$3 and (microphone ((CD audio MP3) near2 player))                | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:21 |
| S359 | 963 | (frequency near3 select\$3) and (microphone ((CD audio MP3) near2 player))                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:24 |
| S360 | 58  | (frequency near3 select\$3) same (microphone ((CD audio MP3) near2 player))                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:22 |
| S361 | 483 | (frequency near3 select\$3) and (microphone ((CD audio MP3) near2 player)) and (wireless antenna)              | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:24 |
| S362 | 170 | ((frequency near3 select\$3) same (wireless antenna)) and (microphone ((CD audio MP3) near2 player))           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>11:25 |
| S363 | 1   | ("5319716").PN.  | USPAT                           | OR | OFF | 2006/08/04<br>15:16 |
| S364 | 0   | S363 and jack  | USPAT                           | OR | OFF | 2006/08/04<br>15:16 |
| S365 | 5   | (wireless near3 adapt\$2) same (frequency with selection)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>15:23 |
| S366 | 35  | (wireless near3 adapt\$2) same (frequency with select\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/08/04<br>15:21 |

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| S367 | 17   | (wireless with adapt\$2) same (frequency with selection)                                | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/04<br>15:23 |
| S368 | 500  | shimabara   | USPAT;<br>EPO; JPO                            | OR | OFF | 2006/08/04<br>19:22 |
| S369 | 2    | ((("4052673") or ("5732334"))).PN.  | USPAT   | OR | OFF | 2006/08/04<br>19:33 |
| S370 | 2    | ((("5818328") or ("20010034214"))).PN.  | US-<br>PGPUB;<br>USPAT                        | OR | OFF | 2006/08/04<br>19:34 |
| S371 | 3134 | (455/69,522).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/04<br>19:35 |
| S372 | 323  | S371 and (decod\$3 demodulat\$3 process\$3) same ((frequency power)<br>near3 select\$3) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO | OR | OFF | 2006/08/04<br>19:36 |
| S373 | 10   | ("4972439").URPN.   | USPAT   | OR | OFF | 2006/08/04<br>19:38 |
| S374 | 6    | takashima.in. and headphone and playback and memory                                     | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/05<br>17:06 |
| S375 | 1021 | ((compact near2 disc) CD) same (frequency) same "100"                                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/05<br>17:07 |
| S376 | 182  | ((compact near2 disc) CD) with (frequency) with "100"                                   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO           | OR | OFF | 2006/08/05<br>17:08 |

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| S377 | 15 | ((compact near2 disc) CD) with (frequency) with ("100" near2 Hz)  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO                    | OR | OFF | 2006/08/05<br>17:29 |
| S378 | 1  | ("6778814").PN.   | USPAT  | OR | OFF | 2007/03/01<br>11:32 |
| S379 | 36 | (wireless with microphone) same ((frequency power) near3 select\$3)   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO                    | OR | OFF | 2006/08/05<br>17:56 |
| S380 | 6  | tsutsui.in. and wireless same microphone  | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO                    | OR | OFF | 2006/08/05<br>17:56 |
| S381 | 0  | ("(wirelessnear2transmitter)and(encod\$3withaudiowithsignal)withdecoder").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>11:34 |
| S382 | 25 | (wireless near2 transmitter) and (encod\$3 with audio with signal) with decoder   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>11:36 |
| S383 | 23 | (wireless near2 transmitter) and ((encod\$3 with audio with signal) same decoder) and ((frequency power) near4 select\$3) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>11:47 |
| S384 | 3  | (wireless near2 transmitter) same decoder same (encod\$3 near2 audio)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>11:55 |

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| S385 | 85  | (wireless near2 transmitter) and (decoder same (encod\$3 near2 audio))  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>11:55 |
| S386 | 16  | (wireless near2 transmitter) and (decoder same (encod\$3 near2 audio))<br>and ((frequency power) near3 select\$3) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>11:56 |
| S387 | 146 | (wireless near2 transmitter) same ((frequency power) near3 select\$3)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:23 |
| S388 | 0   | (wireless same transmitter) same (dyanmic near3 (frequency power)<br>near3 select\$3)                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:24 |
| S389 | 0   | (wireless same transmitter) and (dyanmic near3 (frequency power) near3<br>select\$3)                              | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:26 |
| S390 | 9   | (wireless same transmitter) same (dynamic near3 (frequency power)<br>near3 select\$3)                             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:24 |

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| S391 | 53 | (wireless same transmitter) and (dynamic near3 (frequency power) near3 select\$3) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:27 |
| S392 | 0  | ("EP-1540982-\$.did. ").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:28 |
| S393 | 0  | ("EP-1540982-\$.did. ").PN.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:39 |
| S394 | 0  | ("EP-540982-\$.did. ").PN.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:28 |
| S395 | 0  | EP-01540982-\$.did.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:39 |
| S396 | 0  | EP-1540982-\$.did.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:40 |
| S397 | 0  | ("20020227201").PN.   | US-<br>PGPUB;<br>USPAT                                 | OR | OFF | 2007/03/01<br>14:40 |

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| S398 | 0  | ("200200227201").PN.  | US-<br>PGPUB;<br>USPAT                                 | OR | OFF | 2007/03/01<br>14:41 |
| S399 | 2  | ngo.in. and dynamic same frequency same selection                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:43 |
| S400 | 0  | wireless same ((control near2 signal) with dynamic with frequency with selection) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:44 |
| S401 | 7  | ((control near2 signal) with dynamic with frequency with selection)               | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:44 |
| S402 | 1  | (control near2 signal) same (dynamic near2 frequency near2 selection)             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:45 |
| S403 | 85 | (control\$4) same (dynamic near2 frequency near2 selection)                       | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:45 |
| S404 | 70 | (control\$4) with (dynamic near2 frequency near2 selection)                       | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:50 |

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| S405 | 0  | (encod\$3 near3 audio) same (dynamic near2 frequency near2 selection)                                | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:50 |
| S406 | 0  | (encod\$3 same audio) same (dynamic near2 frequency near2 selection)                                 | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:51 |
| S407 | 40 | (encod\$3 same audio) same (frequency near2 selection)   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>14:54 |
| S408 | 17 | (encod\$3 same audio) same (frequency near2 selection) and (antenna wireless)                        | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>15:41 |
| S409 | 23 | (control near2 signal) with (generat\$3 produced) with (based response) with (encod\$3 near2 audio)  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>15:44 |
| S410 | 19 | (decoder) with (generat\$3 produced) with (signal) with (based response) with (encod\$3 near2 audio) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/01<br>16:24 |

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| S411 | 8  | (decoder) with (generat\$3 produced) with (signal) with (based response) with (encod\$3 near2 audio) same frequency            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:23 |
| S412 | 1  | ("6660824").PN.  | USPAT  | OR | OFF | 2007/03/02<br>11:00 |
| S413 | 1  | ("6600824").PN.  | USPAT  | OR | OFF | 2007/03/02<br>11:00 |
| S414 | 2  | ((("5878328") or ("20010034214")).PN.  | US-PGPUB;<br>USPAT                                 | OR | OFF | 2007/03/04<br>14:50 |
| S415 | 58 | (generat\$3 produced) with (signal) with (based response) with (encod\$3 near2 audio) same (power frequency)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:24 |
| S416 | 0  | (generat\$3 produced) with (signal) with (based response) with (encod\$3 near2 audio) with (cotnrol\$4) with (power frequency) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:24 |
| S417 | 0  | (signal) with (based response) with (encod\$3 near2 audio) with (cotnrol\$4) with (power frequency)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:24 |
| S418 | 3  | (generat\$3 produced) with (signal) with (based response) with (encod\$3 near2 audio) with (control\$4) with (power frequency) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:26 |



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| S419 | 0  | antenna same ((based response) with (encod\$3 near2 audio) with (control\$4) with (power frequency))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:26 |
| S420 | 16 | antenna same ((encod\$3 near2 audio) with (control\$4) with (power frequency))                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:28 |
| S421 | 24 | antenna and (decod\$3 with (encod\$3 near2 audio) with (control\$4) with (power frequency))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:30 |
| S422 | 3  | antenna and (decod\$3 with (encod\$3 near2 audio) with ((frequency power) near3 select\$3))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:31 |
| S423 | 0  | (381/79,311,124,312,320).cls. and decoder with (encod\$3 near2 audio) with ((frequency power) near2 select\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:34 |
| S424 | 1  | (381/79,311,124,312,320).cls. and (encod\$3 near2 audio) with ((frequency power) near2 select\$3)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:34 |

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| S425 | 1    | (381/79,311,124,312,320,92,122).ccls. and (encod\$3 near2 audio) with ((frequency power) near2 select\$3)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:34 |
| S426 | 1    | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (encod\$3 near2 audio) with ((frequency power) near2 select\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>16:24 |
| S427 | 0    | 455/69.ccls. and (control\$4 with (frequency power) with (encod\$3 near3 audio))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:38 |
| S428 | 4    | 455/69.ccls. and (frequency power) with (encod\$3 near3 audio)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>15:39 |
| S429 | 3478 | (455/69,522).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO          | OR | OFF | 2007/03/04<br>15:42 |
| S430 | 14   | S429 and (encod\$4 near3 audio)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>16:21 |
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| S431 | 4     | S429 and (CD MP3) with (control\$4 with (frequency power))   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>16:22 |
| S432 | 7     | 455/69,522,112,113,118,569.1,114.1,123,125,127.1.ccls. and (CD MP3) with (control\$4 with (frequency power))           | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/03/04<br>16:24 |
| S433 | 3913  | (455/69,522).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO          | OR | OFF | 2007/11/19<br>19:28 |
| S434 | 87912 | S433 and antenna and (control\$4 modify\$3 adjust\$3) near3 (frequency adj2 select\$3)(power adj2 (magnitude level))   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:43 |
| S435 | 800   | S433 and antenna and (control\$4 modify\$3 adjust\$3) near3 ((frequency adj2 select\$3)(power adj2 (magnitude level))) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/19<br>19:32 |
| S436 | 928   | S433 and (control\$4 modify\$3 adjust\$3) adj3 ((frequency adj2 select\$3)(power adj2 (magnitude level)))              | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/19<br>19:38 |

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| S437 | 0   | S433 and ((control\$4 modify\$3 adjust\$3) adj3 power adj2 (magnitude level)) same (encod\$3 adj3 audio) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/19<br>19:39 |
| S438 | 4   | S433 and ((control\$4 modify\$3 adjust\$3) adj3 power adj2 (magnitude level)) same (audio)               | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>09:59 |
| S439 | 0   | S433 and ((control\$4 modify\$3 adjust\$3) adj3 frequency adj2 select\$3) same (audio)                   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/19<br>19:40 |
| S440 | 8   | S433 and ((control\$4 modify\$3 adjust\$3) adj3 frequency adj2 select\$3)                                | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/19<br>19:40 |
| S441 | 58  | marquis.in. and transmitt\$3   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO                    | OR | OFF | 2007/11/20<br>09:35 |
| S442 | 10  | S441 and audio   | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO                    | OR | OFF | 2007/11/20<br>09:46 |
| S443 | 1   | ("4972439").PN.  | USPAT  | OR | OFF | 2007/11/20<br>09:36 |
| S444 | 394 | (381/323).OCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO          | OR | OFF | 2007/11/20<br>09:36 |

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| S445 | 46    | S444 and audio                            | USPAT  | OR | OFF | 2007/11/20<br>09:37 |
| S446 | 0     | S443 and audio                            | USPAT  | OR | OFF | 2007/11/20<br>09:58 |
| S447 | 1     | S441 and audio and mod                    | US-<br>PGPUB;<br>USPAT;<br>EPO; JPO                    | OR | OFF | 2007/11/20<br>09:46 |
| S448 | 0     | S443 and DTMF                             | USPAT  | OR | OFF | 2007/11/20<br>10:53 |
| S449 | 99075 | S443 and dual tone                        | USPAT  | OR | OFF | 2007/11/20<br>09:58 |
| S450 | 0     | S443 and dual near3 tone                  | USPAT  | OR | OFF | 2007/11/20<br>09:59 |
| S451 | 3918  | (455/69,522).CCLS.                        | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO          | OR | OFF | 2007/11/20<br>09:59 |
| S452 | 44    | S451 and (decod\$3 with audio)            | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:02 |
| S453 | 0     | S451 and (decod\$3 with audio with pager) | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:02 |
| S454 | 29    | (decod\$3 with audio with pager)          | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:27 |

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| S455 | 458 | (pager with speaker)  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:38 |
| S456 | 52  | telephone with frequency with "100" with "20"   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:39 |
| S457 | 0   | telephone near3 frequency near3 "100" near3 "20"  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:39 |
| S458 | 1   | S451 and manually near3 (control\$3 adjust\$3 modify\$3) near3 frequency                      | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:44 |
| S459 | 90  | "455"/\$.cls. and manually near3 (control\$3 adjust\$3 modify\$3) near3 frequency             | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:49 |
| S460 | 2   | "455"/\$.cls. and (manually near3 (control\$3 adjust\$3 modify\$3) near3 frequency) and pager | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:50 |

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| S461 | 48   | "455"/\$.ccls. and (manually near3 (control\$3 adjust\$3 modify\$3) near3 frequency) and transmitter | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2007/11/20<br>10:50 |
| S462 | 1    | S443 and carrier   | USPAT  | OR | OFF | 2007/11/20<br>10:53 |
| S463 | 403  | (381/315,316).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:12 |
| S464 | 412  | (381/323).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:12 |
| S465 | 212  | (381/79).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:12 |
| S466 | 374  | (455/464).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:14 |
| S467 | 4263 | (455/69,522).CCLS.   | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:14 |

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| S468 | 932  | (381/92,122).CCLS.  | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:14 |
| S469 | 421  | (455/63.3,71).CCLS. | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>11:15 |
| S470 | 648  | (455/3.06).CCLS.    | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>13:14 |
| S471 | 1450 | (381/320,312).CCLS. | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>13:14 |
| S472 | 602  | (381/111).CCLS.     | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>13:17 |
| S473 | 69   | (381/311).CCLS.     | US-<br>PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO | OR | OFF | 2008/07/16<br>13:17 |

8/15/08 10:14:27 AM

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